

CLAIMS

What is claimed is:

1. A fringing capacitor for storing energy, comprising:

at least two conductor layers spaced apart from each other;

each conductor layer including at least two portions, the portions including odd ones alternating with even ones, adjacent odd ones and even ones of the portions spaced apart;

the odd ones of the portions on a first one of the conductor layers are configured to substantially overlay the odd ones of the portions on an adjacent one of the conductor layers,

the even ones of the portions on the first one of the conductor layers are configured to substantially overlay the even ones of the portions on the adjacent one of the conductor layers;

the odd ones of the portions on the first one of the conductor layers being electrically coupled together and to the even ones of the portions on the adjacent one of the conductor layers thereby defining a first electrode;

the even ones of the portions on the first one of the conductor layers being electrically coupled together and to the odd ones of the portions on the adjacent one of the conductor layers thereby defining a second electrode; and

a dielectric interposed between the first and second electrodes.

2. A fringing capacitor for storing energy, comprising:
  - at least two conductor layers spaced apart from each other;
  - each conductor layer including at least two portions, the portions including odd ones alternating with even ones, adjacent odd ones and even ones of the portions spaced apart;
    - the odd ones of the portions on a first one of the conductor layers are configured to substantially overlay the odd ones of the portions on an adjacent one of the conductor layers,
    - the even ones of the portions on the first one of the conductor layers are configured to substantially overlay the even ones of the portions on the adjacent one of the conductor layers;
    - the odd ones of the portions on the first one of the conductor layers being electrically coupled together and to the even ones of the portions on the adjacent one of the conductor layers thereby defining a first electrode;
    - the even ones of the portions on the first one of the conductor layers being electrically coupled together and to the odd ones of the portions on the adjacent one of the conductor layers thereby defining a second electrode; and
  - means for dielectrically separating being interposed between the first and second electrodes.

3. A fringing capacitor comprising:
  - a first electrode comprising:
    - a first portion arranged on a first layer; and
    - a second portion arranged on a second layer; and
  - a second electrode comprising:
    - a first portion arranged over said first portion of said first electrode and adjacent to said second portion of said first electrode; and
    - a second portion arranged under said second portion of said first electrode and adjacent to said first portion of said first electrode; and
    - a dielectric interposed between said first and second electrodes.